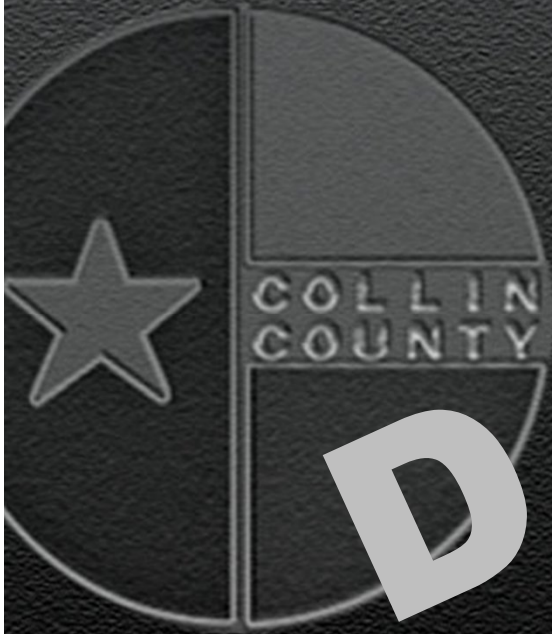


# A Case For Planning Strategically for Transportation

Presented to the  
Collin Commissioners Court

by

Clarence Daugherty, PE  
Director Of Engineering  
December 15, 2014







# Acknowledgments

This presentation uses some slides or information ("as is" or adapted) from presentations made by Judge Self and Commissioner Webb





# Collin County Today

- **6<sup>th</sup> Largest County in Texas**
- **One of the Fastest Growing Counties in the Country**
- **Population at “build-out” estimated to be well over 2 million**

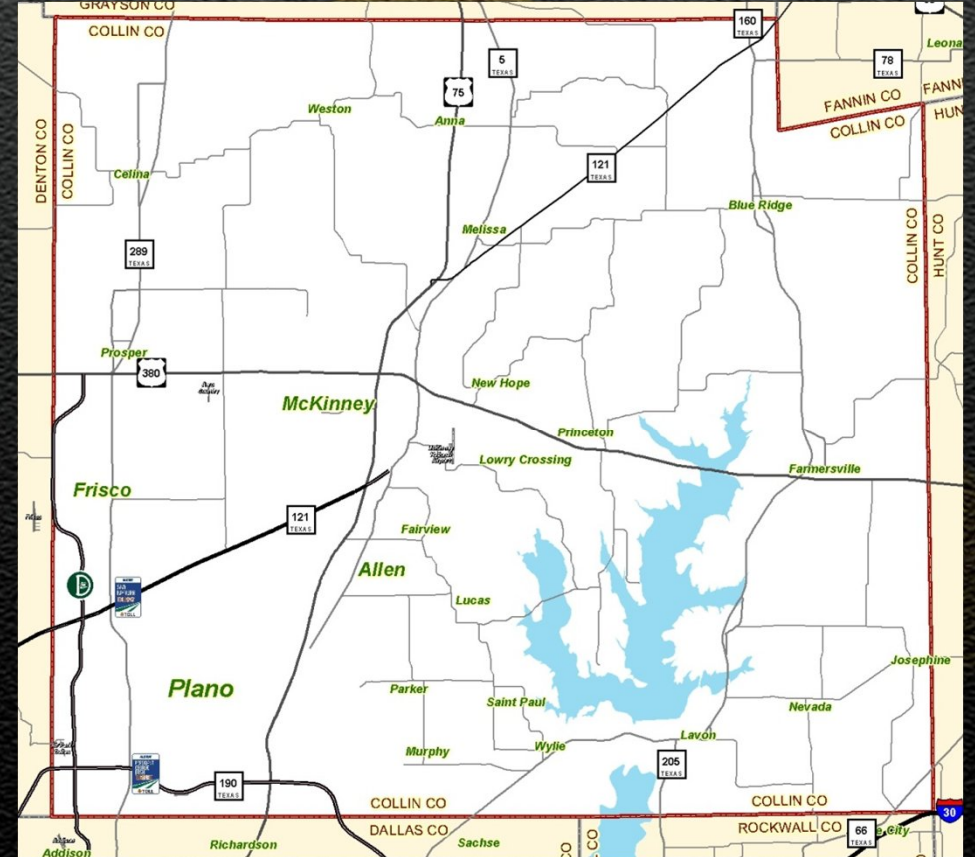
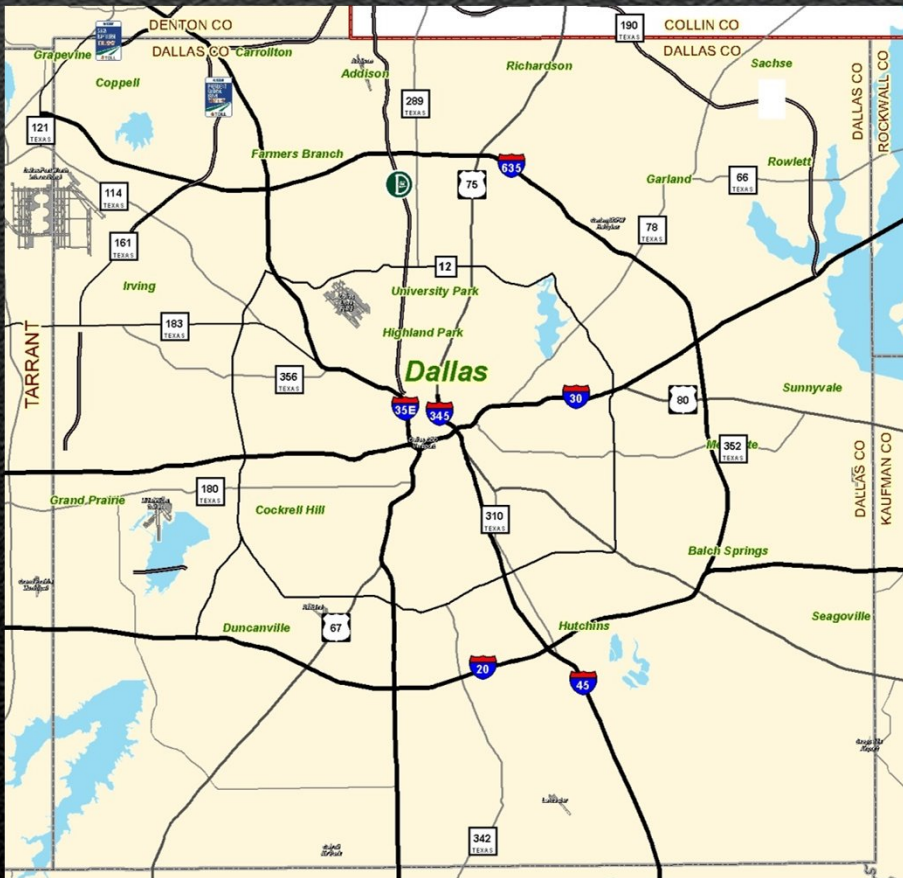




# Major Highway Comparison

Dallas County: Population estimated at more than 2.4 M in 2013

Collin County: Population at build out, est. 2.088 M or more







# Question!

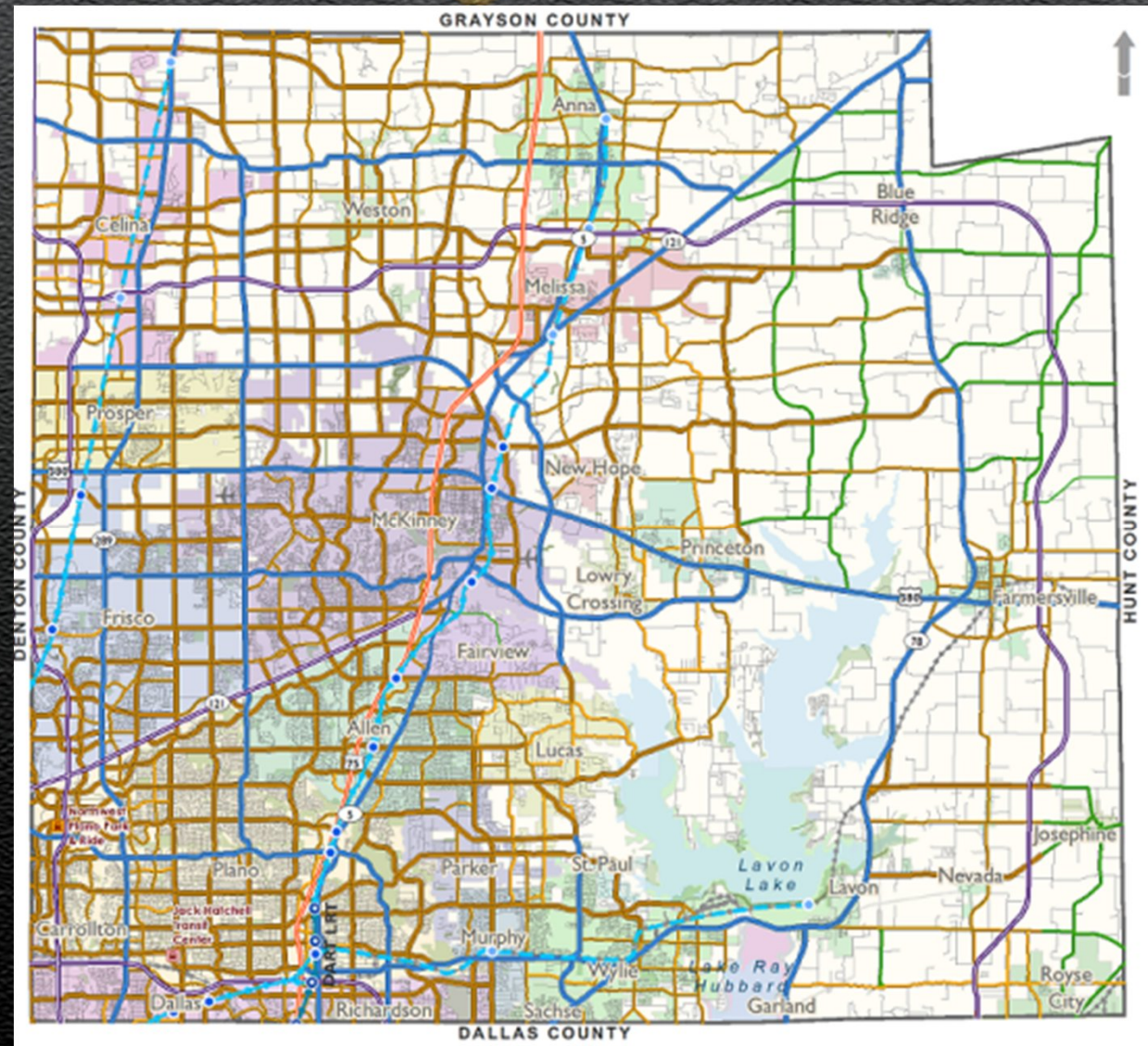
What should Collin  
County's transportation  
system look like for over  
2 million people?





# Collin County Mobility Plan

CCMP  
provided  
part of the  
answer

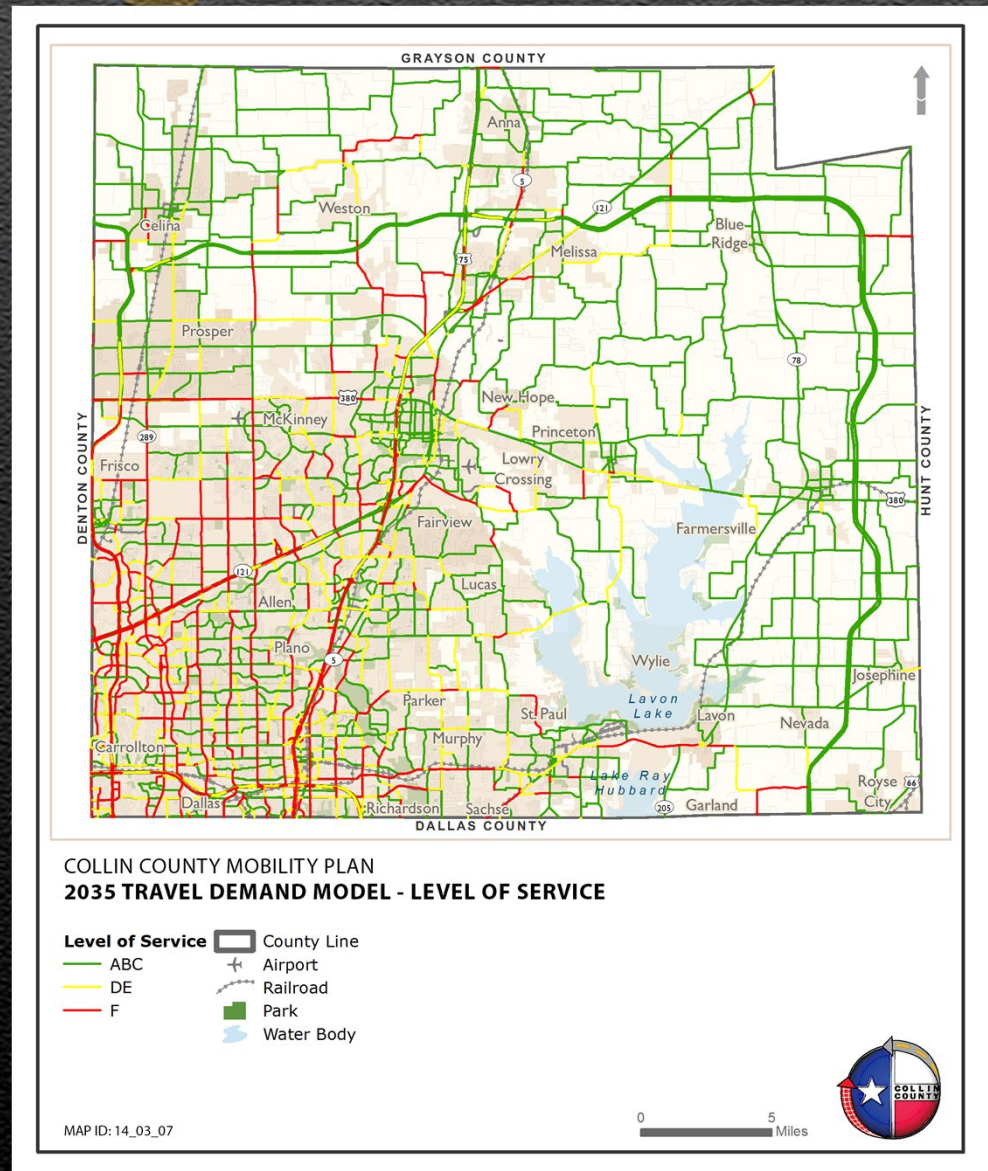






# Collin County Mobility Plan

But it indicates  
that traditional  
roadway  
development will  
result in many  
congested  
roadways  
(red on map)

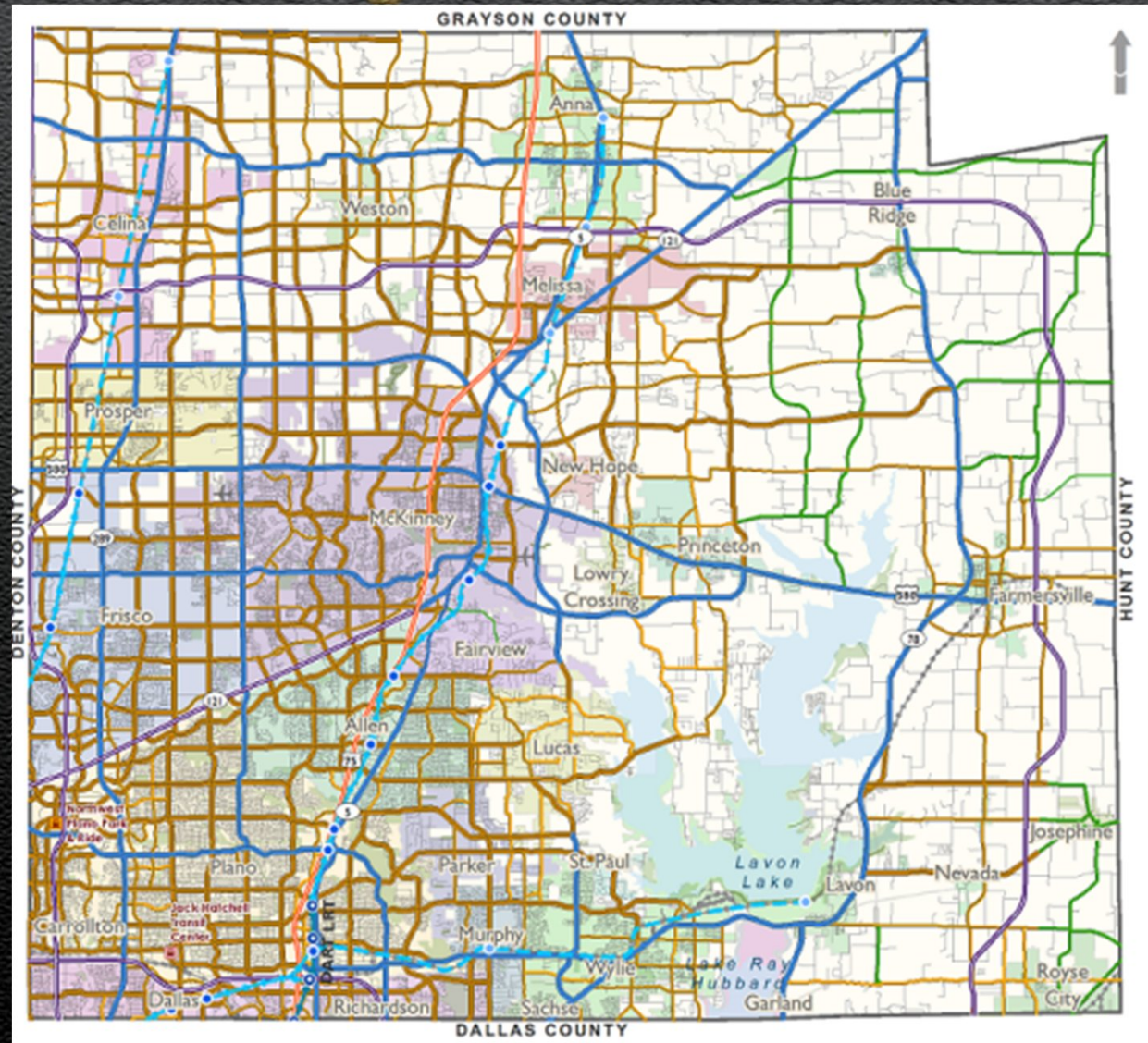






# Collin County Mobility Plan

Therefore,  
this is not  
yet the  
picture of  
true  
mobility at  
“build-out”







# Question!

How do we build on the  
Mobility Plan to  
determine what the  
transportation system  
should be?





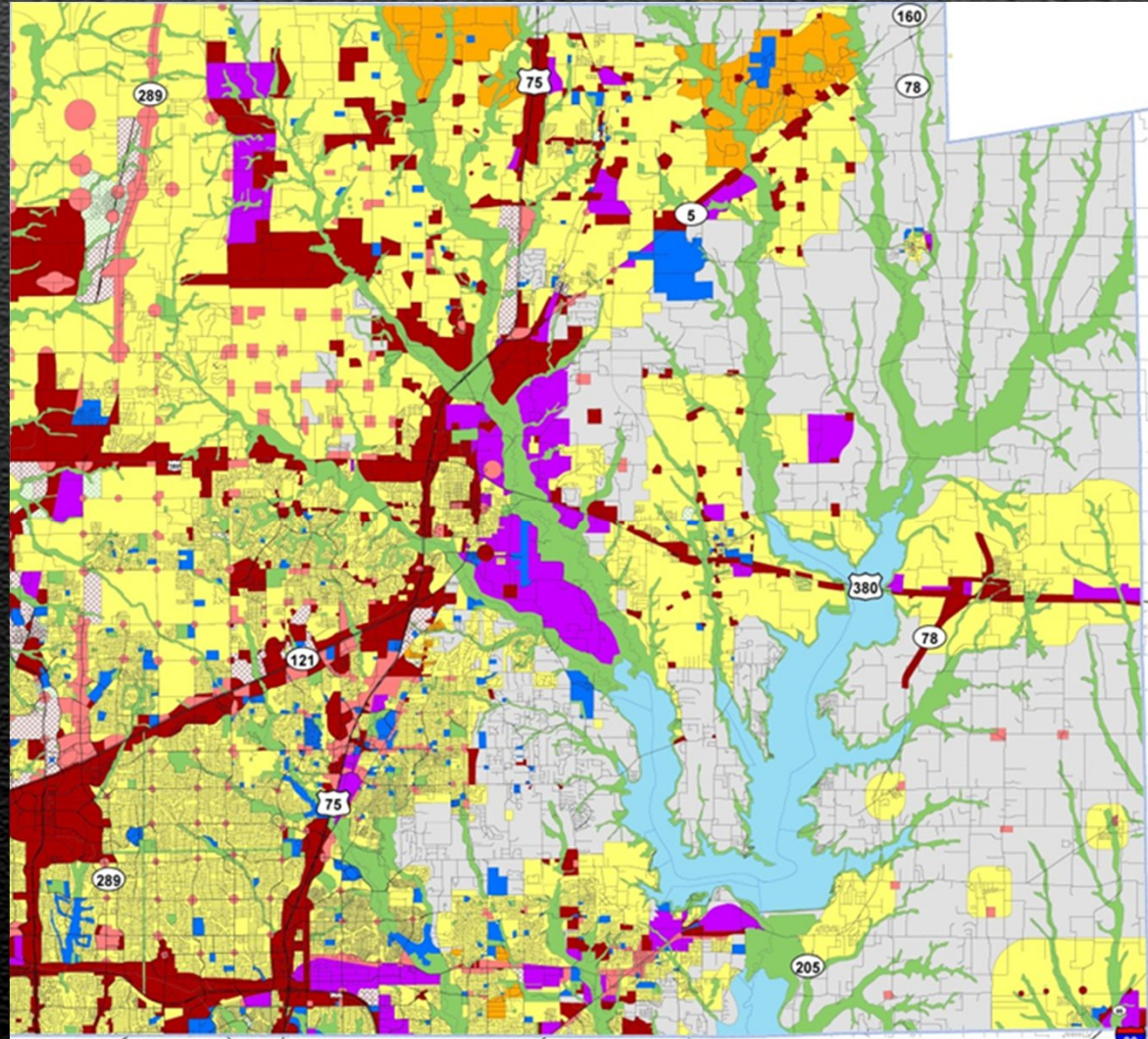
# Two Steps

1. Adjust build-out scenario
2. Start planning strategically





# Adjust Build-Out Scenario







# Strategic Planning

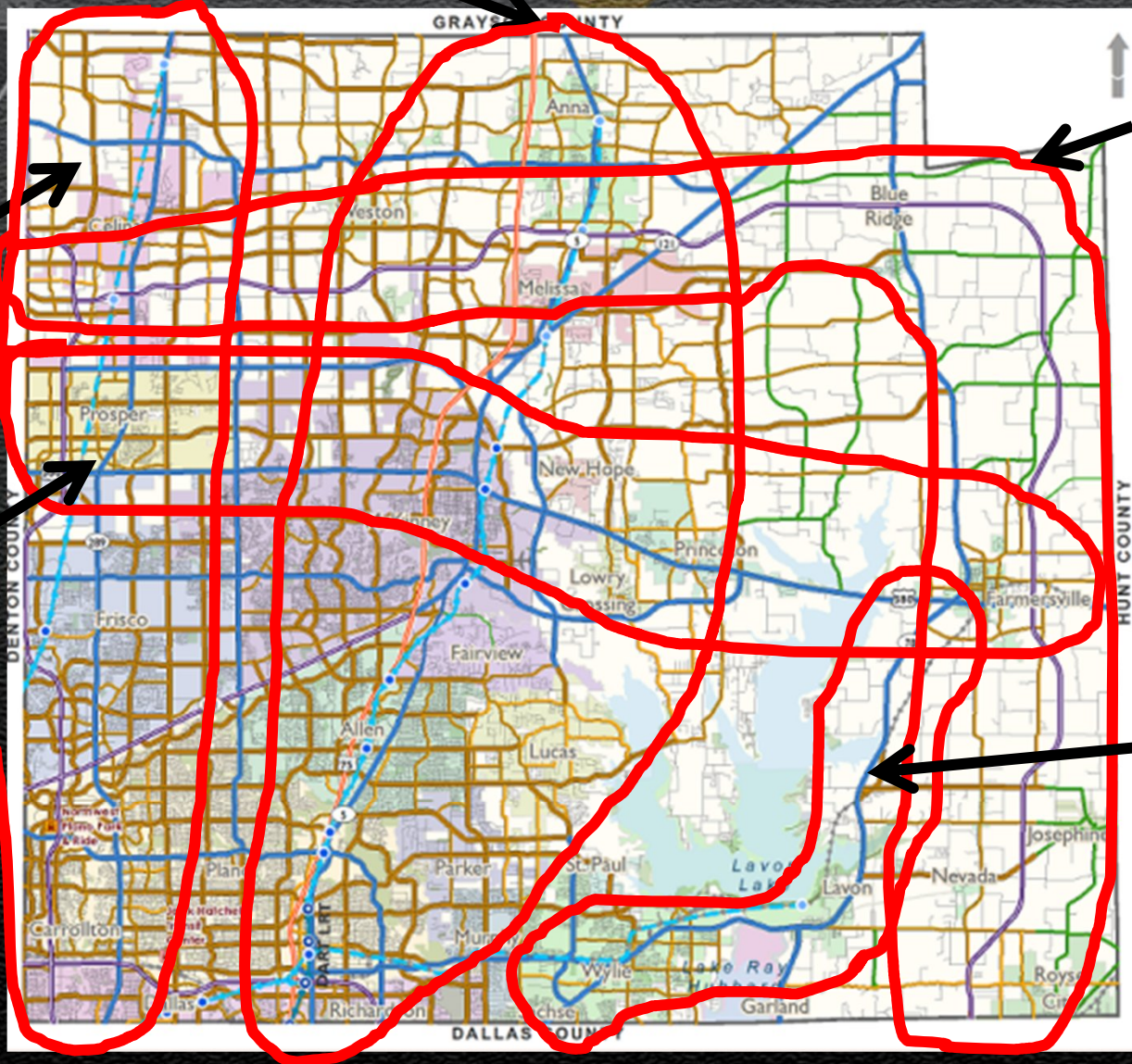
US 75

DNT/289

US 380

Outer Loop

SH 78







# Planning Strategically

## So what can Collin County do to start planning strategically for transportation?

- Resist the urge to plan for tomorrow or even 2035. Think “BUILD- OUT” when planning.
- Develop an “un-restrained” build-out scenario
- Develop build-out plan in partnership with Cities and TxDOT and with COG’s assistance
- Start measuring all actions to determine if they contribute to build-out plan





# Planning Strategically

## Adjusted build-out scenario

- **Develop alternative build-out scenario**
  - **Develop pop and emp projections assuming no restraints in transportation or water or sewer**
  - **Run “un-restrained” travel demand model for build-out**
- **If concept is approved, will follow-up with consultant contract**





# Planning Strategically

## Identify Major Corridors for NCTCOG Assistance

**US 75**

**US 380**

**SH 78**

**Outer Loop**

**DNT/Preston**





# Discussion